

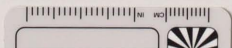
REPORT
OF THE
AUCKLAND INSTITUTE
FOR 1878-79.

ADOPTED AT THE ANNUAL MEETING HELD FEBRUARY 17, 1879.

Auckland:
W. ATKIN, BOOK AND GENERAL PRINTER, HIGH STREET.

1879.

AIM Ann Report
1878 to 1879



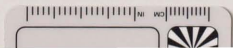
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OF

THE AUCKLAND INSTITUTE.

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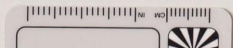
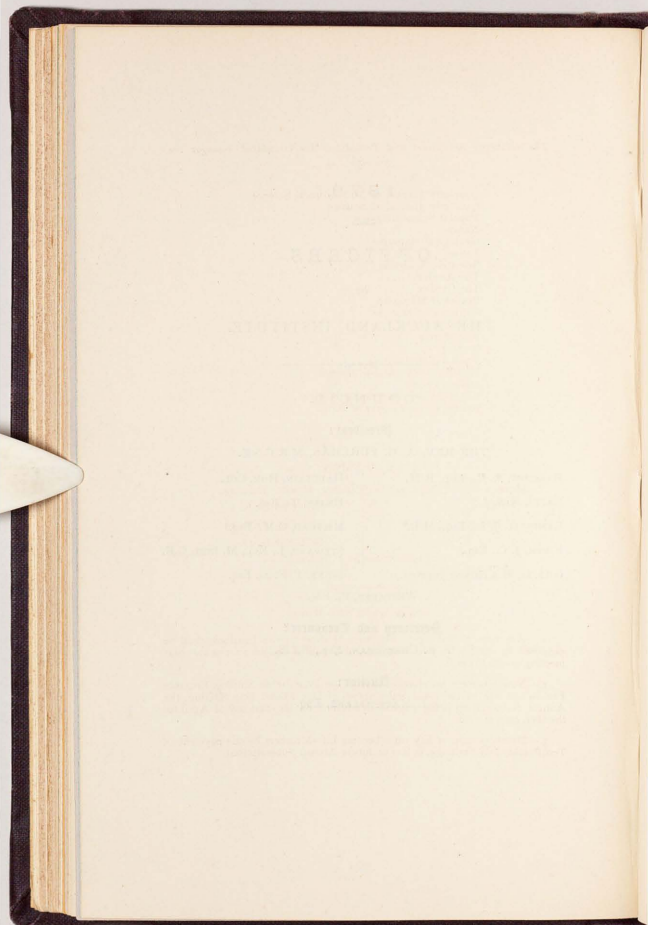
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T. F. CHEESEMAN, Esq., F.L.S.

Auditor :

T. MACFFARLANE, Esq.

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The following Magazines and Periodicals are circulated amongst the Members:—

Quarterly Journal of Microscopical Science
Quarterly Journal of Science
Popular Science Review
Nature
Geological Magazine
Lancet
Scientific American
The Academy
The Garden
Botanical Magazine
Gardener's Chronicle
Chemical News
Engineering
Iron
Journal of Botany
Monthly Microscopical Journal
Science Gossip
Electrical and Telegraphic Review
Journal of the Society of Arts.

WINTER SESSION, 1879.

Meetings will be held on the following Monday Evenings:—

JUNE 2	SEPTEMBER 1
JUNE 30	SEPTEMBER 29
JULY 28	OCTOBER 27.

To commence at 7.30 p.m.

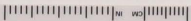
EXTRACTS FROM THE RULES.

1.—Any person desiring to become a Member of the Institute, shall be proposed in writing by two Members, and shall be ballotted for at the next meeting of the Council.

2.—New Members on election to pay One Pound One Shilling Entrance Fee, in addition to the usual Subscription of One Pound One Shilling, the Annual Subscription being payable in advance on the first day of April for the then current year.

3.—Members may at any time become Life-Members by one payment of Ten Pounds Ten Shillings, in lieu of future Annual Subscriptions.

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REPORT.

THE Council of the Auckland Institute, in presenting their report for the past year, have again to congratulate the members on the steady progress made by the Society, and on the increasing interest manifested by the public in its operations.

Twenty-five new members have been elected during the year. The Council regret to have to record the death of five members. There have also been a few withdrawals, principally caused by removals to other parts of the colony. The total number on the register is now 281.

Six meetings have been held during the winter session. The attendance was on the whole satisfactory, although there is room for improvement in this direction. The following is a list of the papers read:—

1. On the *Histeridæ* of New Zealand:—by CAPTAIN T. BROWN.
2. Notice of the discovery of the Australian genus *Poranthera* in New Zealand:—by T. F. CHEESEMAN, F.L.S.
3. The Maori Canoe:—by R. C. BARSTOW.
4. On the *Anthribidæ* of New Zealand:—by CAPTAIN T. BROWN.
5. The British Arctic Expedition of 1875-76:—by F. G. EWINGTON.
6. The Science of Education:—by C. A. ROBERTSON.
7. The *Cossonidæ* of New Zealand:—by CAPTAIN T. BROWN.
8. *Æolus vinctus*:—by J. ADAMS, B.A.

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9. On the *Anobiidae* of New Zealand:—by CAPTAIN T. BROWN.
10. Notes on a Salt Spring at Hokianga:—by J. A. POND.
11. The Telephone and Microphone (illustrated by experiments):—by DR. PURCHAS.
12. On the New Zealand *Dascillidae*:—by CAPTAIN T. BROWN.
13. On the occurrence of *Juncus tenuis* in New Zealand:—by T. F. CHEESEMAN, F.L.S.
14. High Schools for Girls:—by J. ADAMS.
15. On the *Telephoridae* of New Zealand:—by CAPTAIN T. BROWN.
16. Notice of the discovery of the genus *Kyllinga* in New Zealand:—by T. F. CHEESEMAN, F.L.S.
17. Note on Traditional changes of the coast line at the Manukau Heads:—by S. PERCY SMITH.
18. The Rising Generation:—by D. C. Wilson.

Most of the above will appear in the eleventh volume of the "Transactions of the New Zealand Institute," now in the press. The Council trust that the number of papers contributed will now increase, and would impress upon the members the desirability of doing all in their power towards this end.

It is satisfactory to be able to state that the additions and donations to the Museum have been far greater than in any previous year. The Council have especial pleasure in drawing attention to the truly magnificent donation made by Mr T. Russell, C.M.G., of a series of full-size plaster casts from the most celebrated statues of antiquity. The importance of this gift can hardly be over-estimated; not only is it valuable from the beauty of the figures themselves, but more especially from affording to Art students an opportunity—hitherto entirely wanting—of studying and working from accurate copies of the unequalled productions of ancient Greece and Rome. The number of full sized figures is twenty-two—of busts, eleven. In

addition to these, Mr Russell has forwarded terra cotta busts of the Prince and Princess of Wales, modelled by the well-known sculptor Count Gleichen. Mr Russell's communications were in the first instance made through Dr Campbell. This gentleman, well aware that the funds at the disposal of the Institute are little more than sufficient to meet current expenditure, most kindly offered to defray all expenses connected with the preparation of the pedestals, and the unpacking of the casts and their erection in the Museum. Thanks to his timely and welcome liberality, the whole consignment has been placed in the Museum without any expense to the Institute.

It also occurred to Dr Campbell that the advent of Mr Russell's presentation might very well be taken advantage of to establish a School of Design. He therefore addressed the Council on the subject, offering on his part to provide a competent instructor, and to bear all the expenses of the school, if the Institute would grant the use of their lecture-room for the purpose. This proposal was accepted by the Council, and the school has now been in operation for some time. From twenty to thirty students have been in attendance, and the results promise to be in every way satisfactory.

A complete list of all additions to the Museum will be found appended, so that it will only be necessary to mention here those of special importance in the different classes.

1. Mammalia:—The only additions in this class are an interesting collection of Bats made by Mr Parsons in the Friendly Islands, and some good specimens of *Ornithorhynchus* and a few Marsupials presented by Mr H. A. H. Monro.

2. Birds:—435 Skins have been received during the year. Of these, about 200 are of New Zealand species, collected partly to supply deficiencies in the type collection, and partly for exchange with foreign Museums. From the Australian Museum, Sydney, 103 Skins have been forwarded, principally of Australian species. A collection of sixty European species has also come to hand from the Geneva Museum. Mr Parsons has presented sixty-one skins, all obtained on the island of Vavau, one of the Samoan Group. Under the head of Oology should be mentioned a series of European birds' eggs, forwarded in exchange by the Geneva Museum, and some of New Zealand species contributed by Mr T. H. Potts, of Canterbury.

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3. Fishes and Reptiles:—The most noteworthy addition is from Mr Parsons of Vavau, and is especially valuable, not only from the number of species, but also from the large number of duplicate specimens which will be useful for exchanges. The Institute is also indebted to Captain Fairchild, of the s.s. "Hinemoa," for a number of Tuatara Lizards (*Sphenodon*) obtained on Karewa Island, near Tauranga.

4. Invertebrata:—The collection of New Zealand Mollusca in the Museum has been largely increased during the year, and a few small parcels of foreign species have also been received, principally from the Polynesian Islands. A series of Swiss Coleoptera, also of Crustacea from the South of Europe and the Mauritius, are among the exchanges received from the Geneva Museum. An excellent collection of Butterflies from New Britain and New Ireland, forwarded by the Society's old friend, the Rev. G. Brown, must also not be overlooked.

5. Ethnology:—A set of plaster casts of the heads of Polynesians, of different races, taken from models obtained during the expedition of Dumont D'Urville, has been received from the Paris Museum of Natural History. From Mr H. N. Rust, of Chicago, U.S., comes a very interesting collection, including crania of the Flat-head Indians, also of the ancient Mound-builders of the Mississippi Valley, with specimens of their peculiar pottery, stone-adzes, flint arrow-heads, etc.

6. Geology and Mineralogy:—A type collection of 400 specimens of Rocks, purchased in London from the well-known mineralogist Mr J. R. Gregory, has been received, but still remains unpacked, there being no cases available in which to place it. Several small contributions of New Zealand rocks and minerals have been made, but nothing calling for special mention.

New Fittings.—Additional accommodation for stuffed birds and mammals has been obtained by the erection of a large show-case along the south side of the Museum Hall. The cost, £106, has been liberally defrayed by a friend of the Institute, who, however, desires that his name should not be made public. About 300 birds and thirty mammals have been mounted and placed on exhibition during the year, but nearly all the skins received during the past twelve months still remain packed up

in cases, the funds of the Institute not being sufficient to keep a taxidermist continuously at work. The most urgent requirements in the Museum are now table cases, through the want of which the greater portion of the mineralogical collection has to be stowed away in boxes. A large show-case for the collection of New Zealand birds is much needed, as also fittings for packing away duplicates, specimens selected for exchanges, etc.

Library :—The Council have to acknowledge the receipt of a grant of £95 under the Public Libraries Subsidies Act. This amount has been expended in the purchase of standard scientific works, and the books are now on their way from London. The Provincial Library still continues under the care of the Institute, under the very unsatisfactory arrangement first made with the Government, as mentioned in the last Report. The number of readers has been large, and is still increasing.

No action has been taken by the Government in reference to the endowment of the Museum. The Council very much regret that this is the case, for they cannot conceal the fact that the revenue of the Institute—always much too small for the proper fulfilment of its duties—does not increase in nearly the same proportion as the demands upon it. There can be no doubt that if Auckland is to possess a Public Museum and Library worthy of the name, an assured and stable income must be granted for its support, and that in no case should either the Museum or Library have to depend entirely for its existence upon the precarious and fluctuating revenue derived from annual subscriptions. The Council trust that the Auckland members of Parliament will, during its next session, endeavour to obtain some permanent source of revenue for the Institution.

The Treasurer in Account with the Auckland Institute.

Dr.	FEBRUARY 12, 1878, TO FEBRUARY 12, 1879.	Cr.	
	£ s. d.	£ s. d.	
Balance in the Bank of New Zealand, February 12, 1878.....	74 16 8	Books and Periodicals	110 3 0
Entrance Fees and Subscriptions	264 12 0	Additions to Museum	12 1 0
Rents	72 0 0	Museum Requisites—Printing, Advertising, Postages, etc.....	45 19 10
Grant to Library under "Public Libraries Subsidies Act"	95 0 0	Curator	150 0 0
Books Sold.....	9 9 0	Taxidermist	76 0 0
Miscellaneous	9 19 6	Messenger, Cleaning and Attendance.....	40 3 1
		Alterations to Roof of Museum	23 15 0
		Water Supply for Museum	17 15 0
		Miscellaneous	20 10 5
		Balance in the Bank of New Zealand, February 12, 1879.....	29 9 1
	<u>£525 17 2</u>		<u>£525 17 2</u>

INVESTMENT ACCOUNT.

	£ s. d.		£ s. d.
Cash in Auckland Savings Bank, February 12, 1878	37 3 1	Cash in Auckland Savings Bank, February 12, 1879	39 0 1
Interest to January 1, 1879	1 17 0		
	<u>£39 0 1</u>		<u>£39 0 1</u>

Auckland, February 12, 1879. I have examined the foregoing account, and compared the same with the Books, and found all to be correctly stated and properly vouched.

THOMAS MACFFARLANE,
AUDITOR.

T. F. CHEESEMAN,
TREASURER.
February 11, 1879.

ADDITIONS AND DONATIONS
TO THE
LIBRARY AND MUSEUM.

- Meteorological Report for 1877; Colonial Museum and Laboratory Report for 1877; Progress Report of the Geological Survey:—The Director of the Geological Survey.
- Parliamentary Papers and Reports; New Zealand Hansard for 1878; Owen's Extinct Mammals of Australia:—The Colonial Secretary.
- Parliamentary Papers and Reports; Report of the Department of Mines for 1877:—The Colonial Secretary, New South Wales.
- Tasmanian Blue-books; Walch's Tasmanian Almanac:—The Colonial Secretary, Tasmania.
- Journal and Proceedings of the Royal Society of New South Wales, vol. 11; Clarke on the Sedimentary formation of New South Wales; Report of the Council of Education for 1877; Report on Railways for 1876; Report of the Mining Department for 1877:—The Royal Society of New South Wales.
- Transactions and Proceedings of the Zoological Society of London for 1877-78:—Purchased.
- Publications of the Paleontographical Society for 1877:—Purchased.
- Publications of the New Sydenham Society for 1877-78:—Purchased.
- Transactions of the London Antiquarian Society, 3 vols.:—Mrs Matson.
- Mythology and Traditions of the New Zealanders, by Sir G. Grey:—P. Leonard.
- Australian Orchids, by R. D. Fitzgerald, F.L.S., parts 1, 2, 3, and 4:—The author.
- On Trek in the Transvaal:—The Royal Colonial Institute.
- Twelve volumes Books:—Hon. H. Chamberlin.
- Four old Latin Books:—Mrs Tizard.
- Old Auckland Newspapers:—G. M. Mitford.
- Journal of the Society of Arts, 1877-78:—J. Martin.
- Series of Plaster Casts—full-sized Statues and Busts—from the most celebrated works of antiquity, as follows:—1. Statues: Apollo Belvidere, Venus de Medici, Venus of Milo, Laocoon, Diana à la Biche, Fighting Gladiator, Dying Gladiator, Antinous, Adonis, Polyhymnia, Discobolus throwing, Discobolus standing, Demosthenes, Dancing Faun, Apollino, Germanicus, Suppliant Youth, Theseus, Ilissus, Young Bacchus, Euterpe, Ganymede. 2. Busts: Jupiter, Juno, Ajax, Ariadne, Clytie, Homer, Plato, Socrates, Seneca, Julius Caesar, Augustus, Prince and Princess of Wales:—Presented by Thomas Russell, Esq., C.M.G.
- 60 European Bird Skins, collection of European Birds' Eggs, 250 species Swiss Coleoptera, 150 species Crustacea from the South of Europe and the Mauritius:—Received in exchange from the Geneva Museum of Natural History.

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- 103 Australian Bird Skins:—Received in exchange from the Australian Museum, Sydney.
- 61 Bird Skins, 10 Bats, Fishes, various Reptiles, Crustacea, Echinoderms, etc.:—J. Parsons, Vavau, Friendly Islands.
- 200 New Zealand Bird Skins:—Purchased.
- New Zealand Birds' Eggs:—T. H. Potts, F.L.S.
- Skins of Ornithorhynchus, Phascogale and other Marsupials:—H. A. H. Monro.
- Stuffed specimen of North American Prairie Wolf (*Canis latrans*):—H. J. B. Sellers.
- Skins of *Glaucopsis Wilsoni* and *Sterna caspia*:—Dr Purchas.
- Skins of *Glaucopsis Wilsoni*:—R. E. M. Campbell.
- Skin of Cape Pigeon (*Daption*):—A. H. Maclean.
- Kakapo (*Stringops habroptilus*):—Sir G. Grey, K.C.B.
- Skeleton of African Ostrich, specimens from the Bone Caves of Central Europe:—In exchange from the Canterbury Museum.
- Baleen of Humpback Whale:—J. H. Greenway.
- Teeth of Sperm Whale:—Mr Justice Gillies.
- Skeleton of Mollymawk (*Diomedea chlororhyncha*):—R. Leaf.
- Skin of Bronze-wing Pigeon (*Phaps chalcoptera*):—R. Parker.
- Gannet (*Sula serrat*) 4 specimens:—S. E. Hughes.
- Tuatara Lizards (*Sphenodon*) from Karewa Island:—Captain Fairchild.
- Tuatara Lizard:—J. Burtt.
- Tuatara Lizard:—J. Gouk.
- Skins of *Apteryx Mantellii* and *Ortygometra tabuensis*; *Ophichthys serpens*:—Captain Johnson.
- Skin of *Apteryx Mantellii*:—Wasley.
- Large Goat's Horns from Great Barrier Island:—J. Springall.
- Lizard (*Nautilinus pacificus*):—Sir R. Douglas.
- New Zealand Frog (*Liopelma*) found embedded in rock 15 feet below the surface:—H. M. Jervis.
- Small collection of Snakes from N.E. India and Assam:—Mr Matson.
- Head of Cobra—Indian Birds' Eggs:—Captain Morrow.
- Fish (*Saccarius* ?):—E. Irving per J. H. Greenway.
- Lizard (*Nautilinus punctatus*):—A. M. Wainwright.
- Lizard (*Nautilinus pacificus*):—H. F. Way.
- Fish (—— ?):—A. Morrow.
- Lizard (*Nautilinus punctatus*):—J. Breen.
- New Zealand Shells:—T. F. Cheeseman, F.L.S.
- New Zealand Shells:—Professor Hutton, Otago Museum.
- Polynesian Shells, Corals, &c.:—J. Parsons, Vavau.
- Corals from the Friendly Islands:—W. H. Reynolds.
- Fijian Shells:—A. F. Wood.
- Specimens of *Helix Busbyi*:—J. Bell.
- Large Collection of New Zealand Shells:—J. Webster.
- Collection of Exotic Coleoptera:—Deposited by F. H. Ibbetson.
- Collection of Lepidoptera from New Britain and New Ireland:—Rev. G. Brown, C.M.Z.S.
- New Zealand Coleoptera:—Captain T. Broun.
- Hepialus virescens*:—S. E. Hughes.
- Nest of Trap-door Spider:—Col. Warren, San Francisco.
- Sample Bale of Phormium Fibre:—F. Scherff.
- Vegetable Caterpillars:—A. Williams.
- Type Collection of 400 Specimens of Rocks:—Purchased in London.
- Australian Petroleum Shale and products manufactured therefrom:—The Auckland Gas Company.
- Zeolites:—R. R. Hunt.
- Coal with Water-worn Pebbles from Kawa Kawa:—W. J. McConnell.
- Large Crystals of Calcite on Silica:—G. Black, Pumping Association, Thames.

- Iron Ore, from the Hunter River, New South Wales :—Percy Gibson.
 Silicified Wood from Titirangi :—W. Parr.
 Auriferous Quartz and Cement from the West Coast, South Island :—Mr Watson.
 Iron Ore from the Manukau Harbour :—Captain Symonds.
 Fragments of Cinders from Vesuvius :—Mrs Wallis.
 Fossil Shells :—(*Ostrea ingens*, *Pecten Triphookii*) :—J. Harding, Napier.
 Graphite from Taranaki :—J. C. Firth.
 Polished Block of Granite from Collingwood :—Owen Jones.
 Collection of Fossils from the State of Illinois, U.S. :—H. N. Rust, Chicago.
 Fossils from the Kawa Kawa Coal Mines :—W. H. Williams.
 Stalactites :—T. L. White.
 Gypsum from the Alburnia Mine, Thames :—H. N. Garland.
-
- Series of Plaster Casts of Heads of Polynesians :—The Paris Museum of Natural History.
 Crania of Flat-head Indians and Mound Builders; Stone Adzes, Flint Arrow-heads, Implements, Pipes, Pottery, &c. :—H. N. Rust, Chicago.
 Maori Crania, Maori Carvings :—Mr Justice Gillies.
 Maori Crania :—J. Carruth, Whangarei.
 Maori Crania, Stone Adzes, &c. :—J. Sherley.
 Stone Adze :—T. Spencer.
 Stick—"Tumu"—used by the Maories in snaring Pigeons :—R. E. M. Campbell.
 Maori Fish-hooks :—J. Webster.
 Maori Cap made of Flax and Pigeons' Feathers :—R. Horne.
 Stone Adzes :—A. Smith.
 Stone Adzes and Fern-pounder :—A. T. Urquhart.
 Carvings from the War Canoe "Toke a Tapiri" :—The Chief Paul Tuhaere.
 Large Maori Carving :—J. Sceats.
 Head-dresses from Karotonga :—M. Rawlings.
 Native Dress and Cloth, Friendly Islands :—W. H. Reynolds.
 Wooden Idol, Mask, and Dress from the Island of Ngugoa :—R. Cousens.
 Native Cloth, Fan, Woman's Dress—Friendly Islands :—J. Reeve.
 Chalk Idols, Mask made from Human Skull, Shell Ornaments, Woman's Dress, etc.—all from New Britain :—The Rev. G. Brown, C.M.Z.S.
 Stone Adze, Flute, Native Cloth, Fish-hooks, etc.—from Vavau, Friendly Islands :—J. Parsons.
 Two Copper Coins :—S. E. Hughes.
 Roman Coins :—R. C. Barstow.
 Two old Bank-notes :—W. Rysdale.
 Fragments of Shells fired at the Gate Pah, Tauranga :—J. Chadwick.
 Grove's Battery—10 cells :—T. Heale.

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AUCKLAND INSTITUTE.

LIST OF MEMBERS

For the year ending March 31, 1879.

[LIFE MEMBERS DISTINGUISHED THIS *].

Adams, J., B.A., Parnell
Aickin, G., Auckland
Aitken, A., C.E., Grahamstown
Aitken, W., Auckland
Allwright, H., C.E., Auckland
Anderson, H. F., Auckland
Anderson, W., Auckland
Arney, Sir G. A., London
Atkin, W., Auckland
Atkin, W., Tamaki

Baber, J., C.E., Remuera
Bagnall, L. J., Thames
Ball, T., Mongonui
Ball, W. T., Auckland
Barber, H. P., Parnell
Barnard, J. O., Gisborne
Barstow, R. C., R.M., Auckland
Bartley, E., Devonport
Bates, Rev. J., Devonport
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Beere, D. M., C.E., Auckland
Beere, G. B., Hamilton
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Brett, H., Auckland
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Brock, A., Auckland
Broham, T., Christchurch
Broun, Capt. T., Whangarei Heads
Bruce, Rev. D., Auckland

Buchanan, Jno., Auckland
Buchanan, Jno., Auckland
Buchanan, W., Auckland
Buckland, W. F., Remuera
Buddle, T., Auckland
Buddle, Rev. T., Auckland
*Burton, Capt., London
Burton, W., Auckland
Butt, W. A., Maketu

Cameron, R., Auckland
Cameron, W., Auckland
Campbell, J. L., M.D., Auckland
Carr, R. C., Remuera
Cawkwell, W. J., Auckland
Chamberlin, Hon. H., Auckland
Chambers, J., Auckland
Chapman, G. T., Auckland
Cheeseman, T. F., F.L.S.,
Auckland
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Clark, J. M., Remuera
Clarke, The Ven. Archdn. E. B.,
Waimate
Cooke, C. E., Auckland
Cochrane, W. S., Devonport
Colbeck, W. H., Te Pahi
Cooper, Th., Auckland
Cosgrave, J., Auckland
Cotton, H. E., Auckland
Cowie, Right Rev. W. G., D.D.,
Bishop of Auckland
Cranwell, T., Parnell
Crook, T., F.R.M.S., Auckland
Cruckshank, D. B., Auckland

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Daveney, Capt. B., Auckland
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Auckland
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Dickson, R., Auckland
Dignan, P., M.H.R., Auckland
Douglas, Sir R., M.H.R.,
Whangarei
Dowden, W., Auckland
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Dyson, R. W., Auckland

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Elliott, W., Auckland
Errington, W., C.E., Auckland
Ewington, F. G., Auckland

Fairburn, J., Otahuhu
Fallon, D., Auckland
Farmer, J., London
Felkin, W., F.R.G.S., Auckland
Fenton, F. D., Auckland
Fergusson, H. A. C., Cambridge
Firth, J. C., Auckland
Floyd, W. H., Tauranga
Fraser, G., Auckland
Fraser, Rev. J. M., Auckland

George, S. T., M.H.R., Kawau
Gibbons, E., Onehunga
Gillies, His Honor Justice, Auckland
Gittos, B., Auckland
Goldsboro', C. F., M.D., Parnell
Goodall, J., C.E., Timaru
Goodfellow, W., Otara
Gordon, W. P., Papakura
Gorrie, W., Auckland
Graham, G. S., Auckland
Graham, W. K., London
Green, Major, Auckland
Grey, J., Auckland
Grey, W., Auckland
Greenway, J. H., Russell

Hammond, A. de L., Auckland
Hardie, J., Auckland
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Hassard, Rev. R. S., M.A.,
Auckland
Haultain, Hon. Col., Auckland
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Heale, T., Auckland
Heather, A., Auckland
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Auckland
Horne, R., Auckland
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Howden, G., Auckland
Hughes, S. E., Auckland
Hunt, R. R., Ngaurawahia
Hunter, A. J., Auckland
Hurst, W. J., Auckland

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Johnston, G., Auckland
Judd, A., Auckland

Kinder, Rev. J., D.D., St. John's
College
*Kirk, T., F.L.S., Wellington
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Lamb, J., Riverhead
Larkins, F., Remuera
Larkworthy, F., London
Lavers, G. H., Auckland
*Leaf, C. J., F.L.S., London
Lee, W., M.D., Auckland
Lennox, J. M., Auckland
Lindsay, J., C.E., Ngaurawahia
Lindesay, T., Howick
Lodder, W., Remuera
Lodge, W. F., Parnell
Luke, S., Otahuhu
Lusk, H. H., Auckland

MacCormick, J. C., Auckland
Macdonald, A. V., C.E., Auckland
Macfarland, R. J., C.E., Grahams-
town
Macfarlane, T., Auckland
Mackechnie, E. A., Auckland
Mackenzie, D. H., Auckland
MacLaughlin, W., Papatoitoti
Maclean, E., Cambridge

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Macmillan, C. C., Auckland
Macrae, F., Auckland
Mair, Capt. G., F.L.S., Rotorua
Mair, R., Whangarei
Mair, Major W. G., Alexandra
Maning, F. E., Hokianga
Martin, J., Auckland
Masfield, T. T., Auckland
Maunsell, Ven. Archdn. W.,
Parnell

*Meinertzhagen, F. M., Napier
McColl, J., Newmarket
Mitchell, H., Ohinemutu
Mitchell, W. L., Auckland
Mitford, G. M., Parnell
Moat, W. P., Mahurangi
Morton, H. B., Auckland
Morrin, T., Auckland
Montgomery, T., Hamilton
Monro, H. A. H., Auckland
Moss, F. H., M.H.R., Parnell
Mowbray, J. M., Auckland
Murdoch, D. L., Auckland

Nathan, L. D., Auckland
Nation, Col., Parnell
Nelson, Rev. C. M., M.A.,
Auckland
Newman, J., Auckland

O'Rorke, G. M., M.H.R., One-
hunga
O'Sullivan, R. J., Auckland
Owen, G. B., Auckland

Peacock, T., Auckland
Perkins, E., Auckland
Pierce, G. P., Auckland
Plumley, E. A., Auckland
Pollen, Hon. D., Wellington
Pollen, H., Wellington
Pond, J. A., Auckland
Pounds, J. E., Auckland
Purchas, Rev. A. G., M.R.C.S.E.,
Newton
Pycroft, H. T., Ponsonby

Rattray, W., Auckland
Rayner, G., Coromandel
Richmond, J., Auckland
Robertson, J., Auckland
Robertson, C. A., Auckland
Robertson, J., Mangare
Rose, R., Newton
Rubery, A., Newton
Runciman, Jas., Cambridge
Russell, Jas., Auckland
Russell, J. B., Auckland

Russell, T., C.M.G., London
Rye, Lewis, Otamatea

Scott, W., Paterangi
Sheath, A., Auckland
Sinclair, A., Churchill
Slatter, J., Auckland
Smales, Rev. G., East Tamaki
Smith, G., Ponsonby
Smith, S. P., Parnell
Spencer, T., Grahamstown
Spicer, A., Auckland
Stephens, Ingham, Remuera
Stewart, J., C.E., Auckland
Stewart, T. M., Melbourne
Stockwell, W., M.R.C.S.E.,
Auckland
Stone, C. J., Auckland
Symons, J., Devonport

Taylor, Hon. C. J., London
Taylor, J., Auckland
Thomas, Capt., Parnell
Thomson, Neil, Mahurangi
Thorne, G. jun., Auckland
Tilly, Lieut. T. C., R.N.,
Remuera

*Tinne, H., Tamahere
Tinne, T. F. S., Auckland
Tomlinson, Rev. A. R., M.A.,
Onehunga
Tonks, R., Parnell
Tothill, C., Auckland
Tunny, J. M., Auckland
Tyler, E. K., Auckland

Urquhart, A. T., Karaka

Vaile, S., Auckland
Vickers, S., Auckland

Waddington, E., M.D., Hamilton
Wade, H. G., Auckland
Waller, G., Auckland
Wallis, Rev. J., M.H.R., Auck-
land
Walker, R., Parnell
Waymouth, J., Auckland
Wayte, E., Auckland
Webster, J., Hokianga
Weetman, S., Mongonui
Weston, T., Epsom
Whitaker, A. E., Auckland
Whitaker, Hon. F., Auckland
White, F. A., Auckland
White, T. L., Auckland
Whitson, R. W., Auckland
Whitson, T., Auckland

Wilcox, E. B., Auckland
Will, W., Auckland
Williams, H., Bay of Islands
Williams, J. W., M.H.R., Bay of
Islands
Williams, S. J., Auckland
Williams, Ven. Archdn. W. L.,
Gisborne
Williamson, Hon. J., Auckland

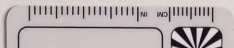
Williamson, C., Auckland
Wilson, D. C., Maungakareme
Wilson, J. I., Whangarei
Winks, J., Auckland
Wright, F. W., L.M.B., Toronto,
Parnell
Worthington, H., Auckland
Young, W. S., Kaipara.



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